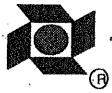
Report No.: 10664, Rev 1 Re: 40-gallon poly drum Date of Report: 1/31/01 Date of Revision: 2/6/01



## CONTAINER-QUINN TESTING LABORATORIES, INC.

170 Shepard Avenue, Wheeling, IL 60090 Phone: 847-537-9470 Fax: 847-537-9098 E-Mail: quinalabs@aol.com

TEST CONDUCTED FOR: Solutions, Inc.

P.O. Box 1091 Prospect, KY 40059

Attn.: Victor B. Anderson

**ITEMS TESTED:** 

One (1) sample set of combination packages intended for the transport of

Hazardous Medical Waste in Class 6, Division 6.2

Description:

Outer Shipper:

40-gallon, HDPE poly drum with friction-fit snap-fit top feature

Agri-Industrial Plastics Co., Fairfield, IA

Dimensions (O,D.):

19 1/2" x 19" x 32" Misc. 1.5-mil poly bags

Interior Packaging: Nominal Gross Weight:

92.8 lbs. (42.1 kg)

Closures:

Friction fit, snap-fit closure

Note 1:

Testing conducted with Misc. glass vials and bottles, plastic, paper,

corrugated and cloth dunnage including approximately 1/2-gallon water

Note 2:

Poly bags secured with either twist ties or equivalent, cable ties or

equivalent or tightly knotted

**OBJECT OF TEST:** 

To determine the compliance with applicable sections of the United Nations recommendations for the transport of dangerous goods and the Department of Transportations's Title 49 Code of Federal Regulations ((CFR), Part 178: Subpart M - Testing of Non-bulk Packagings and Packages

	Packaging Code Designation	Packing Group
1	4H2	[[
1	Solid Plastic Box	Moderate Danger
		Hazardous Material

**CERTIFICATION NUMBER:** 

+AX3518

Note: Photograph on file

CONTAINER-QUINN TESTING LABORATORIES, INC.

APPROVED BY:

Stephen C. Powell - Laboratory Director



Test Report #: 03-3143 October 6, 2003 Page 11 of 12

## DOT / UN PACKAGING CERTIFICATION DESIGN QUALIFICATION

PACKAGE DESCRIPTION:

96-Gallon Two Wheel Plastic Container with Casters for Regulated Medical Waste

TEN-E PACKAGING SERVICES, INC. certifies that the Toter Inc. packaging referenced above has passed the standards of the DEPARTMENT OF TRANSPORTATION'S TITLE 49 CFR; Section 173.197 Regulated Medical Waste and the Performance Oriented Packaging Standards, Section 178. This package is also certified under IMDG Regulations and the UN Recommendations on the Transport of Dangerous Goods. It is the responsibility of the end user to determine authorization for use under these regulations. The use of other packaging methods or components other than those documented in this report may render this certification invalid.

	6.53	SUMMARY OF P	ERFORMANCE TESTS			
UN /DOT	CFR	TEST	TEST	TEST	TEST	
TEST	REFERENCE	LEVEL	CONTENTS	DATE	RESULTS	
Drop	178.603	1.2m	Simulated Medical Waste	September 19, 2003	PASS	
Stack	178.606	226.8 Kg – 24 Hrs.	Simulated Medical Waste	September 22, 2003	PASS	
Vibration	178.608	4.2 Hz – 1 Hr.	Simulated Medical Waste	September 22, 2003	PASS	
Leak Resistance	173.197	2 Gal. – 5 min.	Water	September 22, 2003	PASS	
	RT NUMBER:		03-3143	<u> </u>		
UN MARKIN (CFR 49 - 178		ka dan dan dan dan dan dan dan dan dan da	! m !	u 3H2/Y102/S/** USA/+AA3985		
PACKAGINO	G IDENTIFICAT	ION CODE:	3H2 – Plastic Jerrica	3H2 - Plastic Jerrican - Removable Head		
PERFORMA	NCE STANDAR	D:	Y (Packaging meets Packing Group II and III tests)			
AUTHORIZE	ED GROSS MAS	<b>S</b> :	102 Kg (225 Lbs.)	102 Kg (225 Lbs.)		
"S" DESIGN	ATION:		Denotes that packaging is intended for solids			
YEAR OF M.	ANUFACTURE:	MANIAN Alian dani da ada ilaun ada amada ya regunya may ang	**Insert year the packaging is manufactured			
STATE AUT	HORIZING THE	MARK:	USA	USA		
PACKAGING	G CERTIFICATI	ON AGENCY:	(+AA) TEN-E Packa	(+AA) TEN-E Packaging Services, Inc.		
THIRD PAR	FY PACKAGE I	DENTIFICATION:	+AA3985			
PERIODIC R	ETEST DATE:	**************************************	September 22, 2004			

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY THAT THE PACKAGING TESTED IS MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. In no event shall TEN-E Packaging Services, Inc. liability exceed the total amount paid by Toter Inc. for services rendered. In the event of future changes to the above referenced test standard, it is the responsibility of Toter Inc. to determine whether additional testing or updating of past testing is necessary to verify that the packaging we have tested remains in compliance with those standards.

APPLICANT:

Toter Inc. 841 Meacham Road Statesville, NC 28677

Earry J. Anderson Manager, Technical Services TEN-E Packaging Services, Inc. 1666 County Road 74

Newport, MN 55055



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## APPENDIX I: REGULATORY AND INDUSTRY STANDARD REFERENCES

REGULATORY REFERENCES					
TEST	49 CFR© 2002 Edition	UNØ 12th Edition	IMDG® 2002 Edition		
Drop:	173.197 & 178.603	P621 & 6.1.5.3	P621 & 6.1.5.3		
Stack: 173.197 & 178.606		P621 & 6.1.5.6	P621 & 6.1.5.6		
Vibration:	173.197 & 178.608	my about	AMAN DE		
Leak Tight:	173.197	P621	P621		

① United States Department of Transportation Code of Federal Regulations (CFR) Title 49, Transportation, Parts 100-199

<sup>(3)</sup> International Maritime Dangerous Goods Code (IMDG)

INDUSTRY STANDARD REFERENCES				
Drop:	ASTM© D5276:	Standard Test Method for Drop Test of Loaded Containers by Free Fall		
	ISO② 2248:	Packaging – Complete, Filled Transport Packages – Vertical Impact Test By Dropping		
Stack:	ASTM® D4577:	Standard Test Method for Compression Resistance of a Container Under Constant Load		
	ISO⑦ 2234:	Packaging - Complete, Filled Transport Packages - Stacking Tests using Static Load		
Vibration:	ASTM© D999:	Standard Test Method for Vibration Testing of Shipping Containers		
	ISO② 2247:	Packaging – Complete, Filled transport Packages – Vibration Test at Fixed Low Frequency		

<sup>©</sup>American Society For Testing and Materials (ASTM)

<sup>©</sup> The United Nations Recommendations on the Transport of Dangerous Goods — Model Regulations. (UN - Orange Book)

**International Organization For Standardization (ISO)** 

# MIS MEDICAL WASTE WANAGEMENT

40 Callon Waste Management Container

## Solutions, inc.

Ideal for hospitals, doctors' offices, clinics, labs, nursing homes, funeral homes and veterinarians! 495 per 53' trailer.

## Features include:

- \* Leek and Punture Resistant
- \* OSHA and D.O.T. Required Text All Sides Have Upper and Lower Handles for
- All Three Sizes have Common Base and Lid Dimensions
- Tire Resistant: UL 94HB Material High Density Polyoliylere
- Sis and Lik Nest Together



19"W x 19"D x 32"H

